

Title (en)

OPTICAL MEMORIES, METHOD FOR READING AND WRITING SUCH OPTICAL MEMORIES, AND DEVICE FOR READING AND WRITING SUCH MEMORIES

Title (de)

OPTISCHE SPEICHER, VERFAHREN ZUM AUSLESEN UND BESCHREIBEN SOLCHER OPTISCHEN SPEICHER UND VORRICHTUNG ZUM AUSLESEN UND BESCHREIBEN SOLCHER SPEICHER

Title (fr)

MÉMOIRES OPTIQUES, PROCÉDÉ DE LECTURE ET D'ÉCRITURE DE TELLES MÉMOIRES OPTIQUES, ET DISPOSITIF POUR LA LECTURE ET L'ÉCRITURE DE TELLES MÉMOIRES

Publication

EP 2016586 B1 20121024 (FR)

Application

EP 07765999 A 20070504

Priority

- FR 2007051219 W 20070504
- FR 0651627 A 20060505

Abstract (en)

[origin: WO2007128938A2] The invention concerns a optical data memory, said memory comprising at least one layer (6A, 6B, 6C) of supporting material, said supporting material including molecules (2, 4) having, in a local zone (9), a collective state of molecules from at least one first collective state of molecules (4), and a second collective state of molecules (2). The invention is characterized in that only molecules having the first collective state of molecules (4) in said local zone (9) are capable of generating a second-harmonic signal when they are excited in said local zone by a reading electromagnetic radiation.

IPC 8 full level

G11B 7/246 (2006.01); **G11B 7/245** (2006.01); **G11B 7/2467** (2013.01)

CPC (source: EP US)

B82Y 10/00 (2013.01 - EP US); **G11B 7/245** (2013.01 - EP US); **G11B 7/246** (2013.01 - EP US); **G11B 7/25** (2013.01 - EP US); **G11B 7/2467** (2013.01 - EP US); **G11B 2007/0009** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2900762 A1 20071109; **FR 2900762 B1 20081226**; EP 2016586 A2 20090121; EP 2016586 B1 20121024; JP 2009536419 A 20091008; JP 4988826 B2 20120801; US 2011019511 A1 20110127; US 7983117 B2 20110719; WO 2007128938 A2 20071115; WO 2007128938 A3 20080228

DOCDB simple family (application)

FR 0651627 A 20060505; EP 07765999 A 20070504; FR 2007051219 W 20070504; JP 2009508436 A 20070504; US 22698007 A 20070504